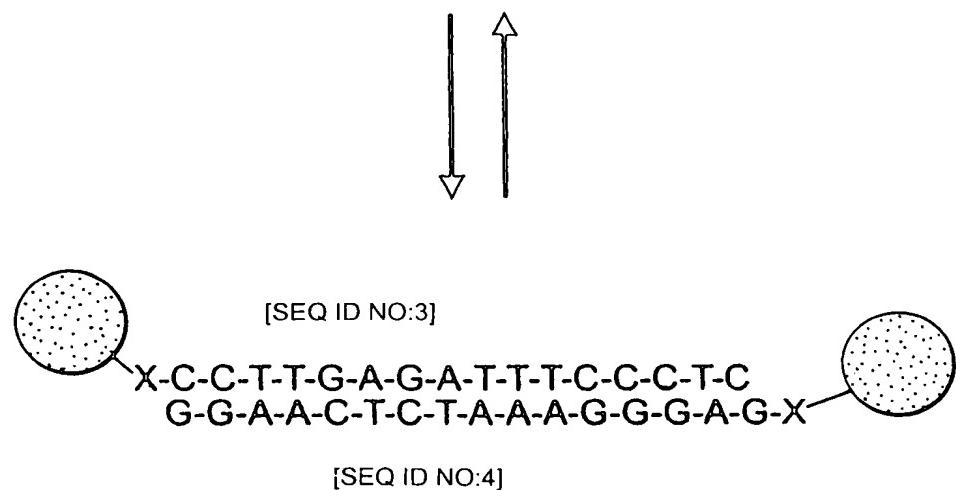
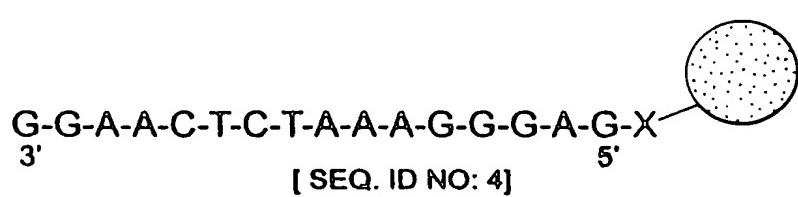
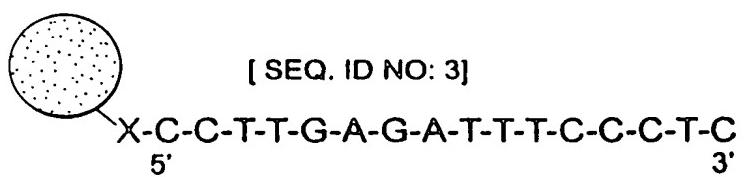




1/47

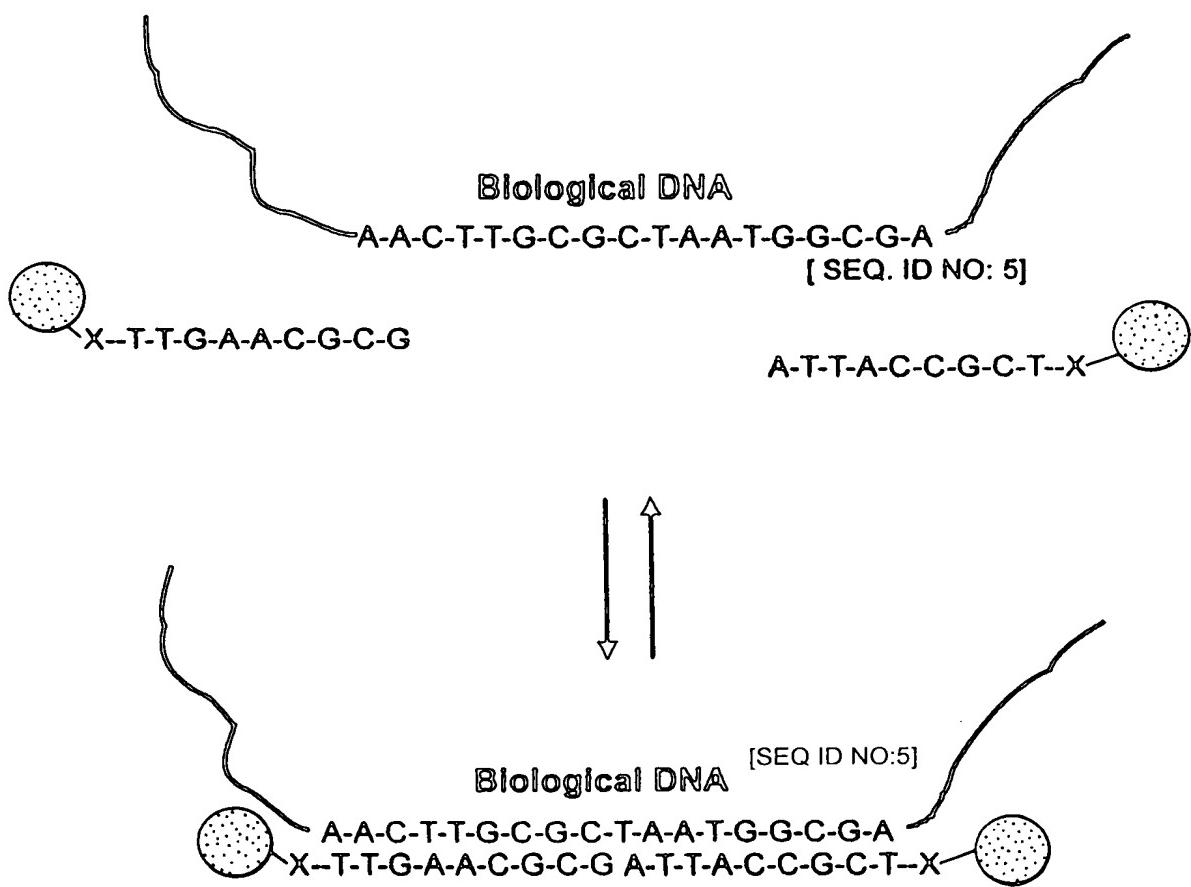
FIG. 1





2/47

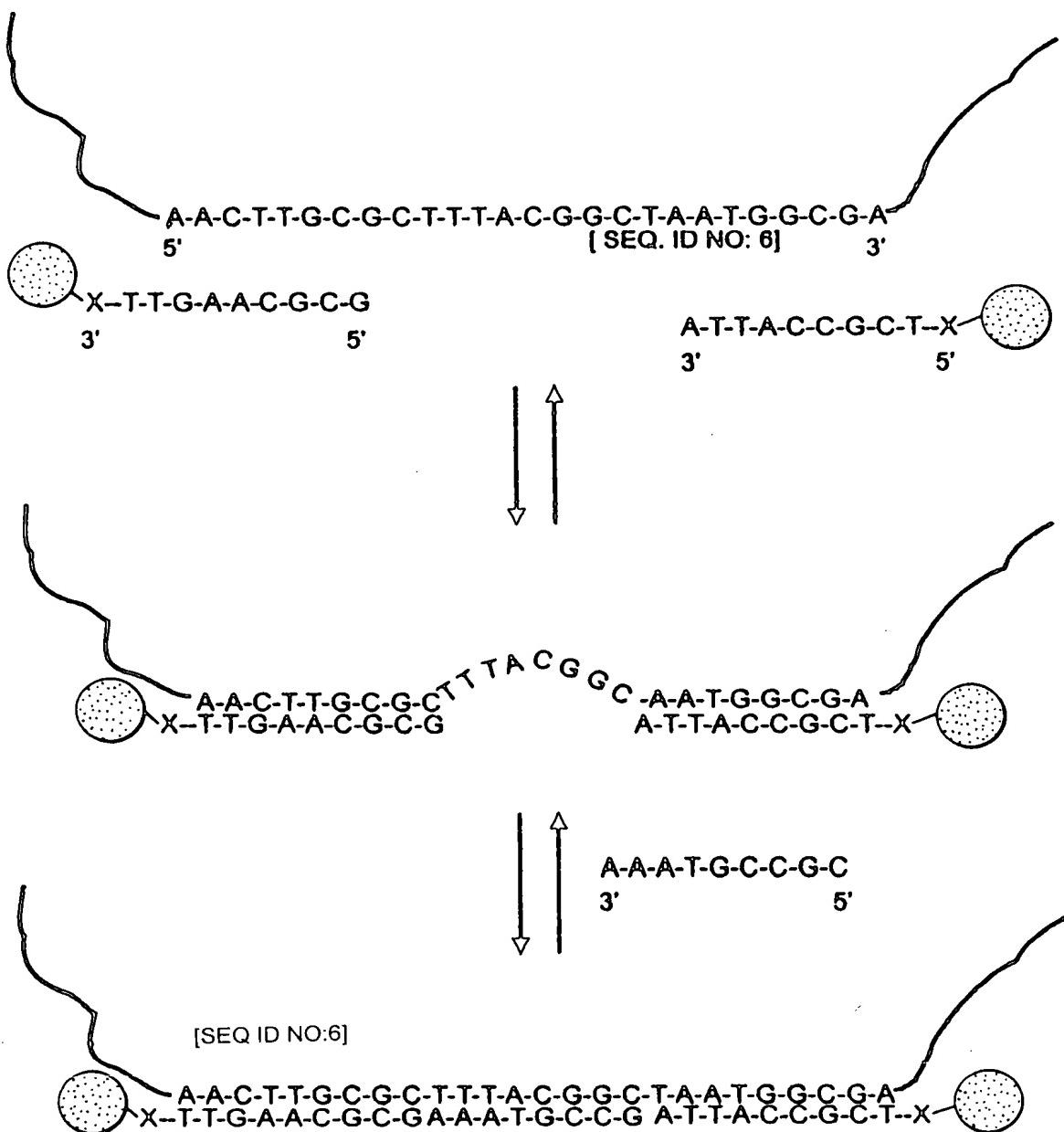
FIG. 2





3/47

FIG. 3





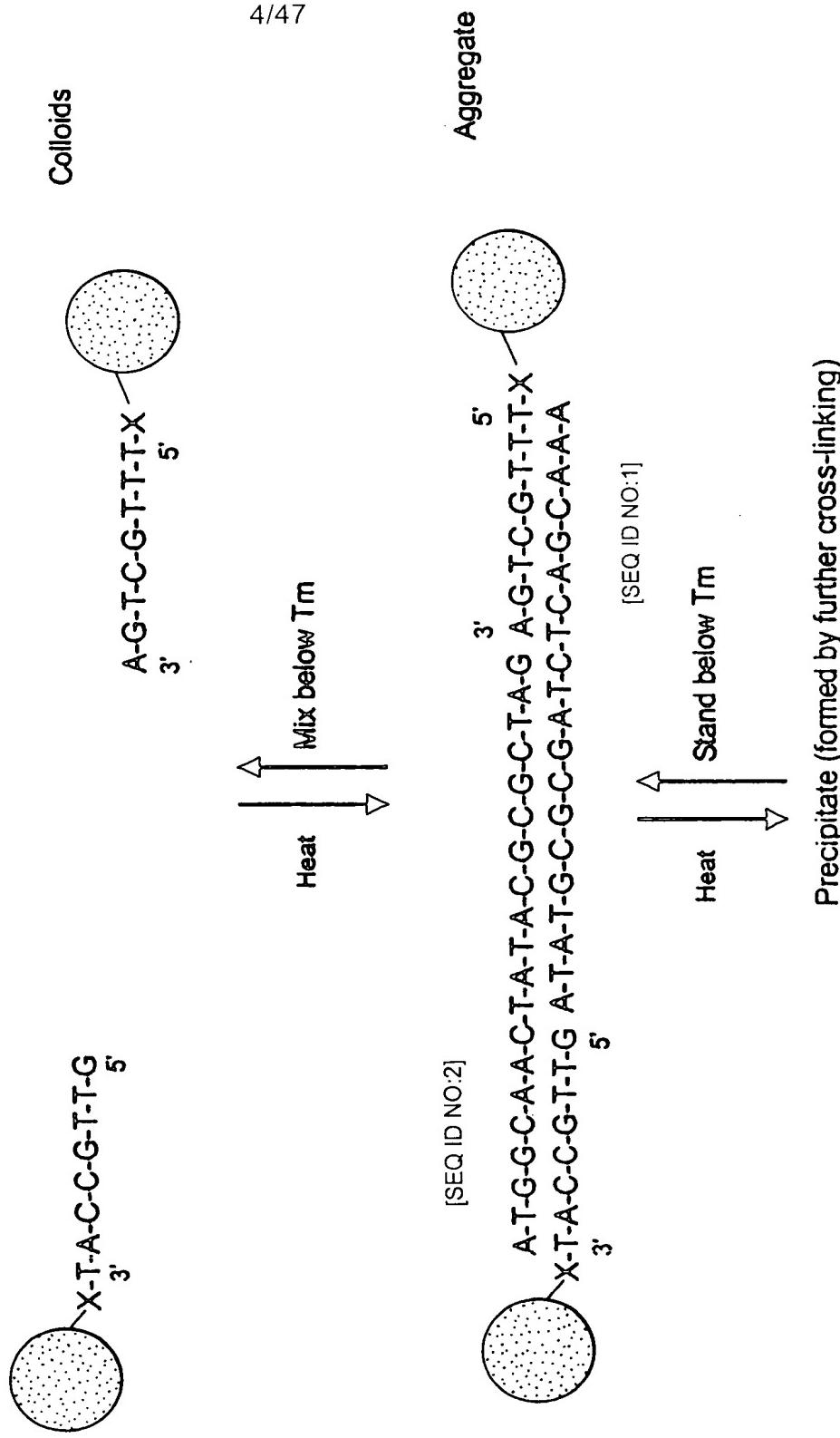
4/47

FIG. 4

Linking oligonucleotide

3' A-T-G-G-C-A-A-C-T-A-T-A-C-G-C-T-A-G
A-T-A-T-G-C-G-C-G-A-T-C-T-C-A-G-C-A-A-A
3' [SEQ. ID NO:1] \nearrow 5'

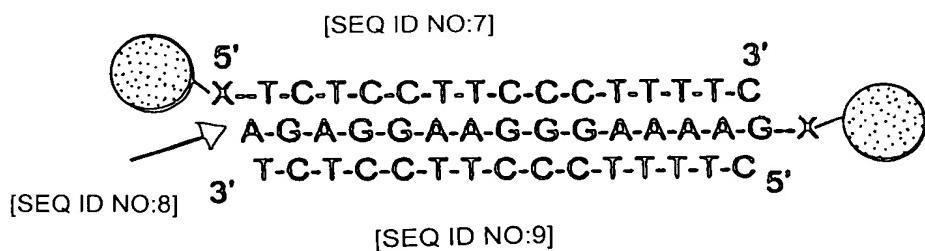
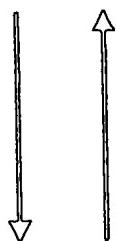
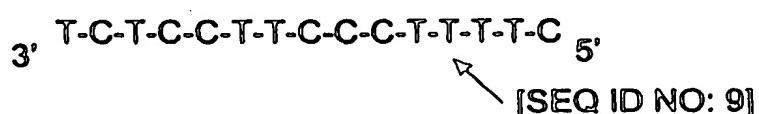
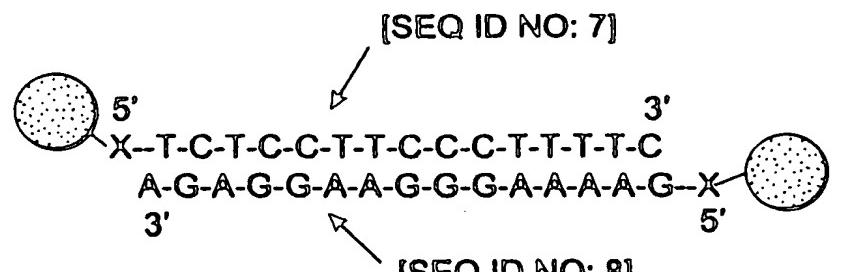
3' X-T-A-C-C-G-T-T-G
5' [SEQ. ID NO:2] \nearrow





10/47

FIG. 10





11/47

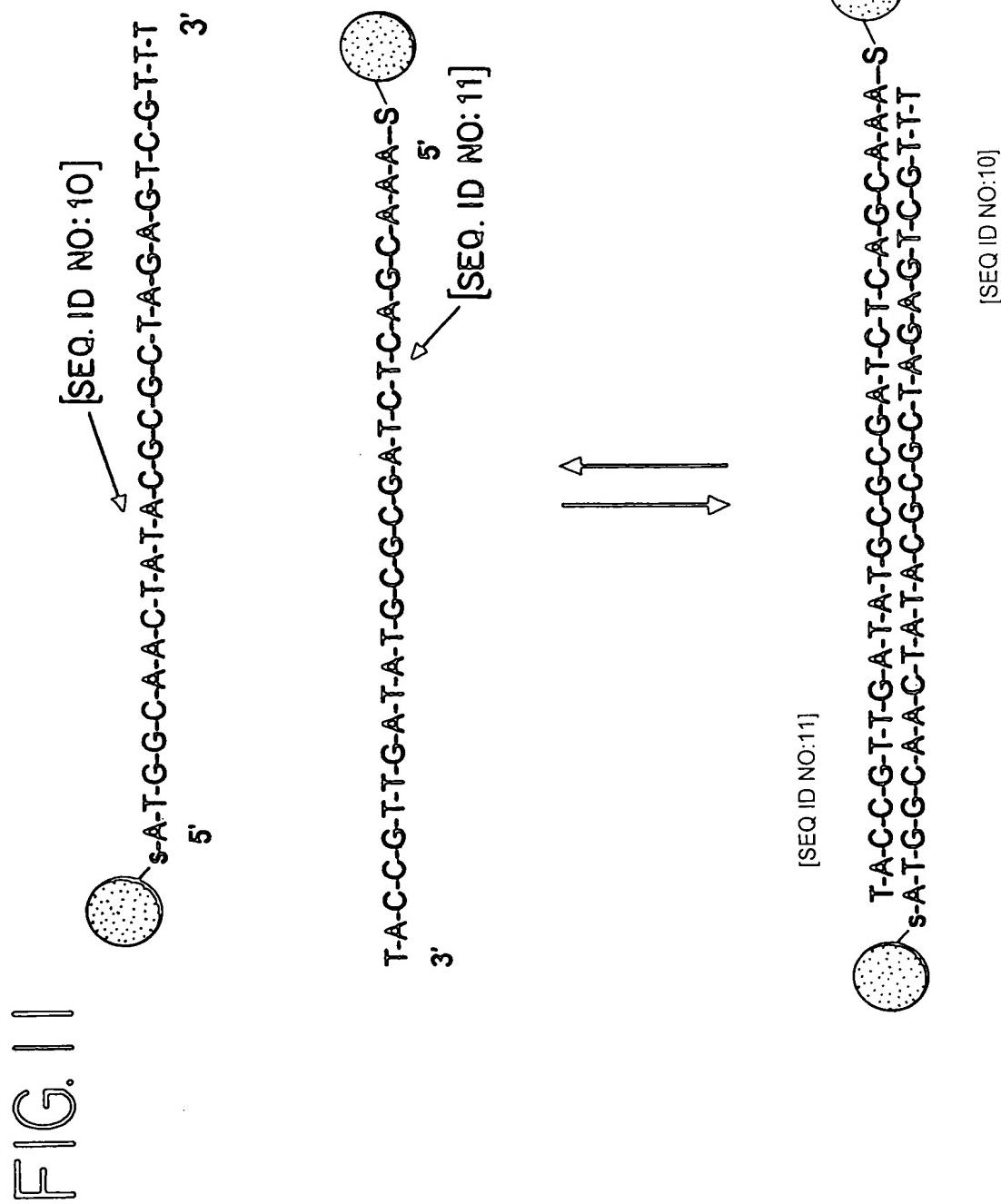




FIG. 16A

[SEQ ID NO:22]

24 Base Template

5' TAC-GAG-TTG-AGA-ATC-CTG-AAT-GCG 3'

-S-ATG-CTC-AAC-TCT TAG-GAC-TTA-CGC-S -

1

[SEQ ID NO:33]

FIG. 16B

17/47

48 Base Template with Complementary 24 Base Filler

5' TAC-GAG-TTG-AGA-CCG-TTA-AGA-CGA-GGC-AAT-CAT-GCA-ATC-CTG-AAT-GCG 3'

-S-ATG-CTC-AAC-TCT GGC-AAT-TCT-GCT-CCG-TTA-GTA-CGT TAG-GAC-TTA-CGC-S -

1

[SEQ ID NO:63]

2

[SEQ ID NO:35]

FIG. 16C

[SEQ ID NO:31]

72 Base Template with Complementary 48 Base Filler

5' TAC-GAG-TTG-AGA-CCG-TTA-AGA-CGA-GGC-AAT-CAT-GCA-TAT-ATT-GGA-CGC-TGG-AAC-ATC-CTG-AAT-GCG 3'

-S-ATG-CTC-AAC-TCT GGC-AAT-TCT-GCT-CCG-TTA-GTA-CGT-TTC TAG-GAC-TTA-CGC-S -

1

[SEQ ID NO:32]

2 [SEQ ID NO:35]